

**LAB1ST**



# Thermal Control

## Digital Dry Bath

The microprocessor controlled Digital Dry Baths offer control over both temperature and time, eliminating the need for an external thermometer or timer.

Used to thaw, boil, incubate and warm samples for different applications in molecular biology, assay preparation, tissue/cell culture, biochemistry, genetics, histology, clinical, environmental and industrial laboratories.

# Mini Dry Bath

## Block Heater T100 Mini/ThermoStat T100 Mini/ThermoStat T100+ Mini

Portable and option to power by automobile power adapter

## Features

- Mini, lightweight, safe with LCD display
- Digital control over both temperature and time
- Built-in user recalibration function guarantees long term temperature accuracy
- Overheating protection
- Optional cooling function
- Interchangeable blocks for a wide variety of test tube sizes
- ThermoStat T100+ Mini with hot lid to prevent water condensing on the tube cap



## Applications

Useful for rapid and uniform heating of biological samples in applications like preservation, denaturation of nucleic acids and proteins, and many other applications.

Specifications	ThermoStat T100+ Mini	ThermoStat T100 Mini	Block Heater T100 Mini
Display	LCD	LCD	LCD
Temperature setting range[°C]	0-100	0-100	25-100
Temperature range [°C]	Room temperature-23~100	Room temperature-23~100	Room temperature+5~100
Temperature control accuracy[°C]	±0.5	±0.5	±0.5
Temperature display accuracy[°C]	0.1	0.1	0.1
Minimum time taken for heating(25°C+100°C)	≤20min	≤20min	≤20min
Minimum time for cooling(20°C-0°C)	≤25min	≤25min	-
Max. Heating Rate	8°C/min	8°C/min	6.5°C/min
Max. Cooling Rate	3°C/min	3°C/min	-
Time setting range	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec
Program Memory	9(2steps for each)	9(2steps for each)	9(2steps for each)
Temperature self-calibration	Support	Support	Support
USB interface	Support	Support	Support
Error code display	Support	Support	Support
Dimension[WxDxH]	110x162x140mm	110x162x140mm	110x162x140mm
Total Weight [kg]	≤1	≤1	≤1
Voltage,Frequency	100-240V, 50/60Hz or DC12V	100-240V, 50/60Hz or DC12V	100-240V, 50/60Hz or DC12V
Power [w]	60	60	60
Operating temperature[°C]	+10-40	+10-40	+10-40
Operating humidity [% RH]	≤80	≤80	≤80

# Blocks

## Block Heater T100/ThermoStat T110/ThermoShaker T100/ThermoShaker T100 Basic

Cat.No	922801	922802	922803	922804	922805	922806	922807	922808	922809
Block types									
Capacity	0.5 mL×24	1.5 mL×24	2 mL×24	5 mL×8 round bottom	5 mL×8 cone bottom	15 mL×8	50 mL×4	0.2 mL×8 PCR strips or 0.2 mL×96 PCR microplate	ELISA microplate
Speed	1500rpm	1500rpm	1500rpm	1500rpm	1400rpm	800rpm	600rpm	1500rpm	1500rpm

## Block Heater T120 Basic/Block Heater T120

Cat.No	Standard	922401	922402	922403	922404	922406	922407	922409	922408	922405	—
	Thin	922410	922411	922412	922413	—	—	922414	922415	—	922416
Block types											
Capacity		0.2 mL×54	0.5 mL×40	1.5 mL×40	2 mL×40	5/15 mL×28	50 mL×8	0.2 mL+0.5 mL +1.5/2 mL 18+18+18	microplate	5 mL blood collection tubex45	0.2 mL×8 PCR strips or 0.2 mL×96 PCR microplate

Capacity	Cat. No.922417
Two-in-one block, bead bath/water bath Adapt to S2	

Capacity	Cat. No.922418
Aluminum beads	

## Block Heater T105 /Block Heater T105(Package 1) /Block Heater T150 /Block Heater T150(Package 1)

Cat.No	922601	922604	922602	922603	922605	922606	922607	922608	922417	922418
Block types										
Capacity	0.2 mL×30	0.5 mL×20	1.5 mL×20	2 mL×20	5 mL×12	15 mL×12	50 mL×4	Dual purpose block,bead bath/water bath Adapt to S1	Dual purpose block,bead bath/water bath Adapt to S2	Aluminum beads

## ThermoStat T100+ Mini/ThermoStat T100 Mini/Block Heater T100 Mini

Cat.No	923001	923002	923003	923004	923005	923006	923007
Block types							
Capacity	0.2 mL×40	0.5 mL×24	1.5 mL×15	2 mL×15	5 mL×6	15 mL×4	50 mL×2
Diameter ×depth	6.4×20 mm	8.2×28.4mm	11.2×31mm	11×31mm	17×31mm	16.4×45mm	29×45mm

Dry bath provides precise temperature for various experiments. ThermoShaker also has mixing function, and widely used in various fields such as molecular biology and cell biology, including gene synthesis, gene purification, gene cloning, gene expression, protein expression analysis, enzyme reaction, bacterial growth and so on.

### List of models:

Model	Image	Function	Temp. Setting Range	Mixing speed	Blocks
<b>Block Heater T60</b>		Heating	25°C,30°C, 37°C,45°C,60°C	-	5mL×30+10 mL×8
<b>Block Heater T120 Basic/ Block Heater T120</b>		Heating	25°C-120°C	-	0.2mL×54 0.5mL×40 1.5/2mL×40 5/15mL×28 5mL blood collection tube×45 50mL×8 (0.2mL+0.5mL+1.5/2mL) ×18 0.2mL×96 PCR Microplate ELISA Microplate Bead/Water bath
<b>Block Heater T105/ Block Heater T105 (Package 1)</b>		Heating	25°C-105°C	-	0.2mL×30 0.5mL×20 1.5mL×20 2mL×20 5mL×12 15mL×12 50mL×4 Bead/Water bath
<b>Block Heater T150/ Block Heater T150 (Package 1)</b>		Heating	25°C-150°C	-	
<b>Block Heater T100</b>		Heating	25°C-100°C	-	
<b>ThermoStat T110</b>		Heating&Cooling	-5°C-110°C	-	0.5mL×24 1.5mL×24 2mL×24 5mL×8(Round/Cone Bottom) 15mL×8 50mL×4
<b>ThermoShaker T100</b>		Heating& Cooling&Mixing	0°C-100°C	200-1500rpm	0.2mL×96 PCR Microplate ELISA Microplate
<b>ThermoShaker T100 Basic</b>		Heating&mixing	15°C-100°C	200-1500rpm	
<b>Block Heater T100 Mini</b>		Heating	25°C-100°C	-	0.2mL×40 0.5mL×24 1.5mL×15 2mL×15 5mL×6 15mL×4 50mL×2
<b>ThermoStat T100 Mini</b>		Heating&Cooling	0°C-100°C	-	
<b>ThermoStat T100+ Mini</b>		Heating&Cooling (with hot lid)	0°C-100°C	-	